CRF Errors Corrected by the STIC Systems Branch

Serial Number: 10/069,355

CRF Processing Date: 3/19/2002
Edited by: _____
Verified by: _____ (STIC staff)

ENTERED

☐ Changed a file from non-ASCII to ASCII

☐ Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐ Edited a format error in the Current Application Data section, specifically:
_____

☐ Edited the Current Application Data section with the actual current number. The number inputted by the applicant was ☐ the prior application data; or ☐ other _____.

☐ Added the mandatory heading and subheadings for "Current Application Data".

☐ Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐ Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

☑ Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: 2
_____

☐ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

☐ Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐ Inserted colons after headings/subheadings. Headings edited included:
_____

☐ Deleted extra, invalid, headings used by an applicant, specifically:
_____

☑ Deleted: ☑ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as_____.

☐ Inserted mandatory headings, specifically: _____

☐ Corrected an obvious error in the response, specifically:
_____

☐ Edited identifiers where upper case is used but lower case is required, or vice versa.

☐ Corrected an error in the Number of Sequences field, specifically:
_____

☐ A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐ Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____

☐ Other:
_____
_____
_____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

PCT10

RAW SEQUENCE LISTING   DATE: 03/19/2002
PATENT APPLICATION: US/10/069,385   TIME: 13:57:00

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\03192002\J069385.raw**

```
  4 <110> APPLICANT: Witcher, Derrick
  5         Tian, Yu
  6         Atkinson, Paul
  8 <120> TITLE OF INVENTION: FLINT Analog Compounds and Formulations Thereof
 10 <130> FILE REFERENCE: X-13268
```
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/069,385
C--> 13 <141> CURRENT FILING DATE: 2002-02-19
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 15 <160> NUMBER OF SEQ ID NOS: 3
 17 <170> SOFTWARE: PatentIn Ver. 2.0
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 271
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Homo sapiens
 24 <400> SEQUENCE: 1
 25 Val Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala Glu Thr Gly Glu
 26   1               5                   10                  15
 28 Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg Pro
 29                 20                  25                  30
 31 Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro Arg His
 32             35                  40                  45
 34 Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr Cys Asn Val
 35         50                  55                  60
 37 Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys His Ala Thr His
 38 65                  70                  75                  80
 40 Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe Ala His Ala Gly Phe
 41                 85                  90                  95
 43 Cys Leu Glu His Ala Ser Cys Pro Pro Gly Ala Gly Val Ile Ala Pro
 44             100                 105                 110
 46 Gly Thr Pro Ser Gln Asn Thr Gln Cys Gln Pro Cys Pro Pro Gly Thr
 47             115                 120                 125
 49 Phe Ser Ala Ser Ser Ser Ser Ser Glu Gln Cys Gln Pro His Arg Asn
 50         130                 135                 140
 52 Cys Thr Ala Leu Gly Leu Ala Leu Asn Val Pro Gly Ser Ser Ser His
 53 145                 150                 155                 160
 55 Asp Thr Leu Cys Thr Ser Cys Thr Gly Phe Pro Leu Ser Thr Arg Val
 56             165                 170                 175
 58 Pro Gly Ala Glu Glu Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe
 59             180                 185                 190
 61 Gln Asp Ile Ser Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu
 62             195                 200                 205
 64 Ala Pro Glu Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu
 65         210                 215                 220
 67 Gln Leu Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/069,385

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```
68 225               230               235               240
70 Gly Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met
71               245               250               255
73 Pro Gly Leu Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His
74               260               265               270
77 <210> SEQ ID NO: 2
78 <211> LENGTH: 300
79 <212> TYPE: PRT
80 <213> ORGANISM: Homo sapiens
82 <400> SEQUENCE: 2
83 Met Arg Ala Leu Glu Gly Pro Gly Leu Ser Leu Leu Cys Leu Val Leu
84   1               5               10               15
86 Ala Leu Pro Ala Leu Leu Pro Val Pro Ala Val Arg Gly Val Ala Glu
87               20               25               30
89 Thr Pro Thr Tyr Pro Trp Arg Asp Ala Glu Thr Gly Glu Arg Leu Val
90               35               40               45
92 Cys Ala Gln Cys Pro Pro Gly Thr Phe Val Gln Arg Pro Cys Arg Arg
93       50               55               60
95 Asp Ser Pro Thr Thr Cys Gly Pro Cys Pro Pro Arg His Tyr Thr Gln
96   65               70               75               80
98 Phe Trp Asn Tyr Leu Glu Arg Cys Arg Tyr Cys Asn Val Leu Cys Gly
99               85               90               95
101 Glu Arg Glu Glu Glu Ala Arg Ala Cys His Ala Thr His Asn Arg Ala
102               100               105               110
104 Cys Arg Cys Arg Thr Gly Phe Phe Ala His Ala Gly Phe Cys Leu Glu
105       115               120               125
107 His Ala Ser Cys Pro Pro Gly Ala Gly Val Ile Ala Pro Gly Thr Pro
108       130               135               140
110 Ser Gln Asn Thr Gln Cys Gln Pro Cys Pro Pro Gly Thr Phe Ser Ala
111 145               150               155               160
113 Ser Ser Ser Ser Ser Glu Gln Cys Gln Pro His Arg Asn Cys Thr Ala
114               165               170               175
116 Leu Gly Leu Ala Leu Asn Val Pro Gly Ser Ser Ser His Asp Thr Leu
117               180               185               190
119 Cys Thr Ser Cys Thr Gly Phe Pro Leu Ser Thr Arg Val Pro Gly Ala
120       195               200               205
122 Glu Glu Cys Glu Arg Ala Val Ile Asp Phe Val Ala Phe Gln Asp Ile
123       210               215               220
125 Ser Ile Lys Arg Leu Gln Arg Leu Leu Gln Ala Leu Glu Ala Pro Glu
126 225               230               235               240
128 Gly Trp Gly Pro Thr Pro Arg Ala Gly Arg Ala Ala Leu Gln Leu Lys
129               245               250               255
131 Leu Arg Arg Arg Leu Thr Glu Leu Leu Gly Ala Gln Asp Gly Ala Leu
132               260               265               270
134 Leu Val Arg Leu Leu Gln Ala Leu Arg Val Ala Arg Met Pro Gly Leu
135       275               280               285
137 Glu Arg Ser Val Arg Glu Arg Phe Leu Pro Val His
138       290               295               300
141 <210> SEQ ID NO: 3
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142 <211> LENGTH: 936
143 <212> TYPE: DNA
144 <213> ORGANISM: Homo sapiens
146 <220> FEATURE:
147 <221> NAME/KEY: CDS
148 <222> LOCATION: (25)..(924)
150 <400> SEQUENCE: 3
151 gctctccctg ctccagcaag gacc atg agg gcg ctg gag ggg cca ggc ctg        51
152                         Met Arg Ala Leu Glu Gly Pro Gly Leu
153                          1               5
155 tcg ctg ctg tgc ctg gtg ttg gcg ctg cct gcc ctg ctg ccg gtg ccg        99
156 Ser Leu Leu Cys Leu Val Leu Ala Leu Pro Ala Leu Leu Pro Val Pro
157  10              15                  20                  25
159 gct gta cgc gga gtg gca gaa aca ccc acc tac ccc tgg cgg gac gca       147
160 Ala Val Arg Gly Val Ala Glu Thr Pro Thr Tyr Pro Trp Arg Asp Ala
161              30                  35                  40
163 gag aca ggg gag cgg ctg gtg tgc gcc cag tgc ccc cca ggc acc ttt       195
164 Glu Thr Gly Glu Arg Leu Val Cys Ala Gln Cys Pro Pro Gly Thr Phe
165              45                  50                  55
167 gtg cag cgg ccg tgc cgc cga gac agc ccc acg acg tgt ggc ccg tgt       243
168 Val Gln Arg Pro Cys Arg Arg Asp Ser Pro Thr Thr Cys Gly Pro Cys
169              60                  65                  70
171 cca ccg cgc cac tac acg cag ttc tgg aac tac ctg gag cgc tgc cgc       291
172 Pro Pro Arg His Tyr Thr Gln Phe Trp Asn Tyr Leu Glu Arg Cys Arg
173         75                  80                  85
175 tac tgc aac gtc ctc tgc ggg gag cgt gag gag gag gca cgg gct tgc       339
176 Tyr Cys Asn Val Leu Cys Gly Glu Arg Glu Glu Glu Ala Arg Ala Cys
177  90              95                 100                 105
179 cac gcc acc cac aac cgt gcc tgc cgc tgc cgc acc ggc ttc ttc gcg       387
180 His Ala Thr His Asn Arg Ala Cys Arg Cys Arg Thr Gly Phe Phe Ala
181             110                 115                 120
183 cac gct ggt ttc tgc ttg gag cac gca tcg tgt cca cct ggt gcc ggc       435
184 His Ala Gly Phe Cys Leu Glu His Ala Ser Cys Pro Pro Gly Ala Gly
185         125                 130                 135
187 gtg att gcc ccg ggc acc ccc agc cag aac acg cag tgc cag ccg tgc       483
188 Val Ile Ala Pro Gly Thr Pro Ser Gln Asn Thr Gln Cys Gln Pro Cys
189             140                 145                 150
191 ccc cca ggc acc ttc tca gcc agc agc tcc agc tca gag cag tgc cag       531
192 Pro Pro Gly Thr Phe Ser Ala Ser Ser Ser Ser Glu Gln Cys Gln
193         155                 160                 165
195 ccc cac cgc aac tgc acg gcc ctg ggc ctg gcc ctc att gtg cca ggc       579
196 Pro His Arg Asn Cys Thr Ala Leu Gly Leu Ala Leu Ile Val Pro Gly
197 170                 175                 180                 185
199 tct tcc tcc cat gac acc ctg tgc acc agc tgc act ggc ttc ccc ctc       627
200 Ser Ser Ser His Asp Thr Leu Cys Thr Ser Cys Thr Gly Phe Pro Leu
201             190                 195                 200
203 agc acc agg gta cca gga gct gag gag tgt gag cgt gcc gtc atc gac       675
204 Ser Thr Arg Val Pro Gly Ala Glu Glu Cys Glu Arg Ala Val Ile Asp
205             205                 210                 215
```

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Input Set : **A:\PTO.AMC.txt**
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```
207 ttt gtg gct ttc cag gac atc tcc atc aag agg ctg cag cgg ctg ctg   723
208 Phe Val Ala Phe Gln Asp Ile Ser Ile Lys Arg Leu Gln Arg Leu Leu
209         220                 225                 230
211 cag gcc ctc gag gcc ccg gag ggc tgg gct ccg aca cca agg gcg ggc   771
212 Gln Ala Leu Glu Ala Pro Glu Gly Trp Ala Pro Thr Pro Arg Ala Gly
213         235                 240                 245
215 cgc gcg gcc ttg cag ctg aag ctg cgt cgg cgg ctc acg gag ctc ctg   819
216 Arg Ala Ala Leu Gln Leu Lys Leu Arg Arg Arg Leu Thr Glu Leu Leu
217 250                 255                 260                 265
219 ggg gcg cag gac ggg gcg ctg ctg gtg cgg ctg ctg cag gcg ctg cgc   867
220 Gly Ala Gln Asp Gly Ala Leu Leu Val Arg Leu Leu Gln Ala Leu Arg
221                 270                 275                 280
223 gtg gcc agg atg ccc ggg ctg gag cgg agc gtc cgt gag cgc ttc ctc   915
224 Val Ala Arg Met Pro Gly Leu Glu Arg Ser Val Arg Glu Arg Phe Leu
225                 285                 290                 295
227 cct gtg cac tgatcctggc cc                                         936
228 Pro Val His
229         300
```

VERIFICATION SUMMARY　　　　　　　　DATE: 03/19/2002
PATENT APPLICATION:　 US/10/069,385　　 TIME: 13:57:01

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\03192002\J069385.raw**

L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date